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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/937,968	01/30/2002	Wilhelm Fey	MSA 246	8957

7590 03/05/2003
Horst M Kasper
13 Forest Drive
Warren, NJ 07059

EXAMINER

STERRETT, JEFFREY L

ART UNIT	PAPER NUMBER
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2838

DATE MAILED: 03/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.



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14

DATE MAILED:

This is a communication from the examiner in charge of your application.
COMMISSIONER OF PATENTS AND TRADEMARKS

OFFICE ACTION SUMMARY

☒ Responsive to communication(s) filed on 2/10/03

☐ This action is FINAL.

☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 D.C. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 2 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-32 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☒ Claim(s) 1-11 And 13-32 is/are allowed.

☐ Claim(s) _____ is/are rejected.

☒ Claim(s) 12 is/are objected to.

☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☒ The proposed drawing correction, filed on 2/10/03 is ☒ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of Reference Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s) _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--SEE OFFICE ACTION ON THE FOLLOWING PAGES--

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1. The information disclosure statement filed January 30, 2002 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each U.S. and foreign patent; each publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. Thus copies of the WIPO and German references should be submitted since no copies have to date been received. The information disclosure statement has been placed in the application file, but the information referred to therein has not been considered.

2. The title of the invention still is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. It is recommended that key concepts of the invention, such as those stated in the brief description of the invention, be included in the title.

3. The disclosure is objected to because of the following informalities that were discussed during the February 4, 2003 telephone discussion.



On page 20 of the specification a short description of newly submitted figure 8 is required.

Throughout the specification terms like "line 8 -- 9 -- 16", "knot 18", "further second", "and/or", and "knot 9" make little to no sense at all.

Appropriate correction is required.

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4. The proposed drawing correction and/or the proposed substitute sheets of drawings, filed on February 10, 2003 have been approved. A proper drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The correction to the drawings will not be held in abeyance.

5. The drawings remain objected to because in figures 3-8 fuse F1 is illustrated utilizing a symbol remarkably like the symbol utilized to illustrate resistors R1-R7. It is suggested that fuse F1 be illustrated with a symbol that resembles a single cycle of a sinusoidal waveform () and that resistors R1-R7 be illustrated with a symbol that resembles a triangular wave form () like was done in figures 1 and 2.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

6. Claims 1-32 are objected to as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-32 are vague and confusing because as agreed during the February 4, 2003 telephone conversation the terms "first Zener diode", "second Zener diode", "third Zener diode", and "fourth Zener diode" as utilized tends to confuse instead of clarify the recitations. Also as agreed during the February 4, 2003 telephone conversation the terms "sensor Zener diode",

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“protection Zener diode”, “limiting Zener diode”, and “gate control Zener diode” should instead be utilized.

Claim 12 is vague and confusing because “, for example a key,” in lines 2-3 is extraneous matter as agreed during the February 4, 2003 telephone conversation.

Newly submitted claims 16-32 are vague and confusing because they are replete with the same exact errors that the examiner identified in the originally filed claims 1-14. Similar corrections that applicant made to claims 1-14 are now also required to claims 16-32 as agreed during the February 4, 2003 telephone conversation.

It should be noted that upon allowance all reference characters in parenthesis in the claims must be deleted.

Appropriate correction of all of the above is required.

(7.) Claims 1-32 would be allowable if rewritten or amended to overcome the objections set forth above in this Office action.

(8.) This application is in condition for allowance except for the above formal matters. Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Sterrett whose telephone number is (703) 308-1632. The examiner can normally be reached on Monday through Thursday from 8:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry, can be reached on (703) 308-1680. The fax phone number for this Art Unit is (703) 305-7723 and the fax phone number for this Group is (703) 305-3431 or (703) 305-3432.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

jls

March 4, 2003



Jeffrey L. Sterrett

Primary Examiner

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